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(COUNTRY	Germany, Sovie	t Zone		DATE DISTR. 30 Dec 53
9	SUBJECT	Walter Ulbrich	nt Werke Facilities		NO UF PAGES 3
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	OF THE UNITED ST. AND 794, OF THE LATION OF ITS CO. PROHIBITED BY LA	ATES, WITHIN THE MEANING OF T U.S. CODE, AS AMENDED. ITS NTENTS TO OR RECEIPT BY AN U W. THE REPRODUCTION OF THIS	PRILE 18, SECTIONS 793 Transmission on Reve- Junauthorized Person Is B Form is Prohibited.	THIS IS U	NEVALUATED INFORMATION
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		production at th	e, formerly the Level ne plant and	the figures to	erseberg. estimated by the accurate within plus
	a. 2	200,000 metric t			
	р. р.	20,000 "	" - Methanol " - Casoline plu		
	đ.	(Dr. Pau	" - Amino Caprol ul Maass has writte en increased to 360	en me (September 19	53) that production

		has bee Unknown quantity ""		30 DOILD /	
	f. g.	Unknown quantity	- Amines - condensation		
	f. g. h. 1	Unknown quantity """ """ products (as glu More than 1000 m Unknown quantity	- Amines - condensation ue) netric tons - Cyclo y - condensation p	n Dhexanol and Cyclo	nexanone nexanone and
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2. .	f. g. h. i i. i It is difficonstruct shifting oments. The carbon discarbon diverse washed by in the last	Unknown quantity """ products (as glv More than 1000 m Unknown quantity formaldehyde (ficult to give i ed, especially t of the main prod better would also an emmonia solu tter case the pr	- Amines - condensation metric tons - Cyclo y - condensation pro (lacquers, etc.) information about the compressors and fuction (ammonia, go be a difference in the at a pressure of attorn at normal pre- production capacity	chexanol and Cyclol roducts from cyclol the plant equipment in the gas fabrication gasoline, and methol the synthesis gas 25 atmospheres, consumer and then con of the compressor	t because the plant was ion equipment, to enable onal) to meet the requires was compressed and the rif the synthesis gas was mpressed. It is clear that would be much higher.
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	f. g. h. i. i. i. l. l. i. i. l. l. i. i. l. l. i. i. l.	Unknown quantity """ products (as glv More than 1000 m Unknown quantity formaldehyde (ficult to give the december of the main products an emmonia soluter case the production of the production of the production of that a 1000 hoseion of;	- Amines - condensation metric tons - Cycle y - condensation pro (lacquers, etc.) information about the compressors and fluction (ammonia, and be a difference in that a pressure of ation at normal pro conduction capacity complicated because and was 220 - 250 atmosphere and the carbon at the carb	chexanol and Cyclol roducts from cyclol the plant equipment if the gas fabricat gasoline, and methol the synthesis gas 25 atmospheres, or essure and then con of the compressor, there was not only mospheres) but also res and increased con dioxide volume ed in touren, or re- or with 100 revolu-	t because the plant was ion equipment, to enable onal) to meet the requires was compressed and the rif the synthesis gas was mpressed. It is clear that would be much higher. The synthesis gas was the capacity of the normal the capacity of the normal the capacity of the normal would summer winter would Summer Winter 3200 3460 1800 2000 2800
2.	f. g. h. i h. i 1. i li is different to the shifting of the second the washed by in the late to the picture compressor which work compressor which work compressor to the second	Unknown quantity """ "" "" "" "" "" "" "" "" "" "" "" "	- Amines - condensation de) netric tons - Cycle y - condensation properties (lacquers, etc.) information about the compressors and luction (ammonia, go be a difference in that a pressure of ation at normal pre- roduction capacity complicated because was 220 - 250 atm eps to 25 atmospherical pressors walue was expressors orsepower compressors gas - cubic meters hydrogenation s gas	chexanol and Cyclor roducts from cyclor the plant equipment in the gas fabricat gasoline, and method the synthesis gas 25 atmospheres, or essure and then con- of the compressor there was not only mospheres) but also res and increased con dioxide volume ed in touren, or re- or with 100 revolu-	t because the plant was ion equipment, to enable onal) to meet the requires was compressed and the rif the synthesis gas was mpressed. It is clear that would be much higher. The trends of the front compressors the capacity of the normal evolutions per minute. The trends of the minute would summer winter 3200 3460 1800 2000

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One hundred touren would produce in one 24 hour day;

- 10.5 metric tons of nitrogen as ammonia
 20-22 " " methanol or raw isobutanol
 25 " gasoline from tar
 40 " " diesel oil from tar
- At the time of the highest production (March 1944) 18,000 touren were run. That is, 180 one thousand horsepower compressors with one hundred touren. In October 1945 only 6100 touren were possible, 3030 for ammonia and 3070 for gasoline. See enclosure "A" for a list of the compressors at Leunawerk.
- The 1944-1945 air raids knocked out at least half of the compressor capacity. We were surprised that the gas fabrication was not attacked because this would have caused a total shutdown.
- The length of an ammonia converter was approximately 18 meters and the diameter was approximately 18 meters and the diameter was approximately 0.90 meters. The cylinders were constructed by Hoerder in Bochum, the internal works at Leunawerk, and the remainder by I. G. Farben, Ludwigshafen. 22 ammonia converters at the plant. The powerhouse, building 990, with its 140 atmosphere steam engine turbo generators, was dismantled.

Enclosure "A"

Building 7 " " " " " " "	1Z 2Z 3Z 4Z 5Z 6Z	Driven by steam	"Tourenzahl" 130 " " " " " 110	Possible Use Hy " " " " " "	Remarks Damaged; 12-1-45 repaired Total loss
13 11 11	I III IV	11 11 11	110 110 110	Hy and Meth	Total loss
8 11 11 11 11 11	IZ V V V VI V V V V V V V V V V V V V V	# # # # # # # # # # # # # # # # # # #	130 130 110 110 110 110 110 110	N and Hy N and Hy Hy Hy Hy	Total loss damaged; now repaired damaged; now repaired Heavy damage
187	1 2 3	el. el. el.	500 500 500	Hy, N Hy, N Hy, N	Demaged, 12-12-45 repaired
281	VI VI	el. Twir		Hy Hy	Demaged, repaired, dismant. Demaged, repaired
				L	

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                                                                        Remarks
                                               Possible Use
                                "Tourenzahl"
                  Driven by
Building
           No.
                                                                Damaged
                                     300
  165
                  Otto Eng.
            I
                                     300
            II
                                     300
            III
                                     300
            IV
                                     300
            V
                                     300
            VI
                                     300
            VII
                                     300
            VIII
                                     300
            ΙX
                                                                       ; repairs finished
                                     300
                                                   M
            X
                                                                                      Dec. 45 )
                                     300
                                                    N
            XΙ
                                     300
                                                    N
            XII
                                     300
                                                    N
            XIII
                                                                 dismantled; given back?
                                     700
                                                    И
            XIV
                  el. Twin
                                                                 damaged; repaired
                                                    N
                                     150
                   el.
            XV
                                     150
                                                    N
   11
            IVX
                   el.
                                                                 damaged; probably repaired
                  Otto Eng.
                                     300
  167
            I
                                     300
            II
    11
                     13
                                     300
            III
                                     300
                     11
    Ħ
            IV
                                     300
                                                                 demaged; repaired
            ٧
                                                                 damaged; repaired
                                     300
            VI
                                                                 used as add. copr.
                                     300
                                                   Hy, N
            VII
                                     300
                                                   Hy, N
            VIII
                                                                 damaged, in repair
                                     300
            IX
                                     300
    Ħ
            X
                                                                 damaged, repaired
                                    1100
                                                   N
    11
            Turbo
                    Steam
                                     150
                                                  Hy, N
 246
            I
                     el.
                                                  Hy, N
    11
                                     110
            II
                    Steam
                                                  Hy, N
                                     110
    21
            III
    Ħ
                      11
                                     110
                                                  Hy, N
            IV.
                      11
    'n
                                     110
                                                  Hy, N
            V
                                                                 changed to N
                                                  Hy
    Ħ
                                     110
            VI
                                                  Hy, N
                                     110
            AII
    11
                     Ħ
                                     110
                                                  Hy, N
            VIII
    Ė
                                                  Hy, N, Meth
                                     110
            IX
    11
                                     110
                                                  Hy N, compr. N
             X
                                                                       Total loss
    11
            XI
                                                  Hy, N, compr. N
                                     110
            IIX
                                                  Hy, N, compr. N
                                     110
            XIII
                  means Hydrogen for coal- or tar- hydrogenation
            Ну
                        Ammonia-synthesis gas
            N
                        CO and Hydrogen-mixture for production of methanol or isobutanol
           Meth
                        compressed nitrogen
            compr. N.
 The compressors were built by several different companies.
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710.2
            4M/C
                     4/735.823
                                 4M/C
                                        -end-
                                4M/C
            4M/C
                       711.177
  711.271
            4M/C
                     4/711.177
                                4M/C
            4M/C
                       711.121
                                 4M/C
4/711.128
  711.128
                                 4M/C
            4M/C
                     4/711.121
                                 4M/C
                        711.122
4/735.61
            4M/C
                                 4M/C
  735.63
            4M/C
                     4/711.122
  735.61
            4M/C
            4M/C
                                  CONFIDENTIAL
  735.823
            4M/C
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